

CLAIMS

1. An automotive component comprising:
an upper fascia support member;
a bumper energy absorber; and
a load isolator integrally connecting said upper fascia support
5 member to said bumper energy absorber;
wherein a load above a predetermined threshold applied relatively
with respect to said upper fascia support member and said bumper energy
absorber so as to cause a relative displacement of said upper fascia support
member relative to said bumper energy absorber results in deformation of said
10 load isolator.
2. The component of Claim 1, wherein said load isolator
comprises a plurality of mutually spaced apart load isolator arms connecting
said upper fascia support member to said bumper energy absorber.
3. The component of Claim 1, wherein said load isolator has a
predetermined shape which provides said deformation of said load isolator.
4. The component of Claim 3, wherein said predetermined shape
of said load isolator comprises at least one of an S-shape, a V-shape, a U-
shape, and an irregular shape.
5. The component of Claim 4, wherein said load isolator
comprises a plurality of mutually spaced apart load isolator arms connecting
said upper fascia support member to said bumper energy absorber.
6. The component of Claim 5, wherein said deformation comprises
at least one of bending of said load isolator and bending and breaking of said
load isolator.

7. The component of Claim 6, wherein said upper fascia support member, said load isolator and said bumper energy absorber are made of selectively different materials.

8. The component of Claim 1, wherein said upper fascia support member comprises a plurality of predetermined attachment locations for preselected parts to be attached to a motor vehicle.

9. The component of Claim 8, wherein said preselected parts comprise hood over-slam bumper pads, head lights and bracketing for a radiator.

10. The component of Claim 9, wherein said load isolator has a predetermined shape which provides said deformation of said load isolator.

11. The component of Claim 10, wherein said predetermined shape of said load isolator comprises at least one of an S-shape, a V-shape, a U-shape, and an irregular shape.

12. The component of Claim 11, wherein said load isolator comprises a plurality of mutually spaced apart load isolator arms connecting said upper fascia support member to said bumper energy absorber.

13. The component of Claim 12, wherein said deformation comprises at least one of bending of said load isolator and bending and breaking of said load isolator.

14. The component of Claim 13, wherein said upper fascia support member, said load isolator and said bumper energy absorber are made of selectively different materials.

15. An automotive component comprising:

an upper fascia support member, wherein said upper fascia support member comprises a plurality of predetermined attachment locations for preselected parts to be attached to a motor vehicle;

5 a bumper energy absorber; and

a load isolator integrally connecting said upper fascia support member to said bumper energy absorber, said load isolator comprising a plurality of mutually spaced apart load isolator arms connecting said upper fascia support member to said bumper energy absorber;

10 wherein a load above a predetermined threshold applied relatively with respect to said upper fascia support member and said bumper energy absorber so as to cause a relative displacement of said upper fascia support member relative to said bumper energy absorber results in deformation of said load isolator.

16. The component of Claim 15, wherein said load isolator has a predetermined shape which provides said deformation of said load isolator.

17. The component of Claim 16, wherein said predetermined shape of said load isolator comprises at least one of an S-shape, a V-shape, a U-shape, and an irregular shape.

18. The component of Claim 17, wherein said deformation comprises at least one of bending of said load isolator and bending and breaking of said load isolator.

19. The component of Claim 18, wherein said upper fascia support member, said load isolator and said bumper energy absorber are made of selectively different materials.